

FIG. I

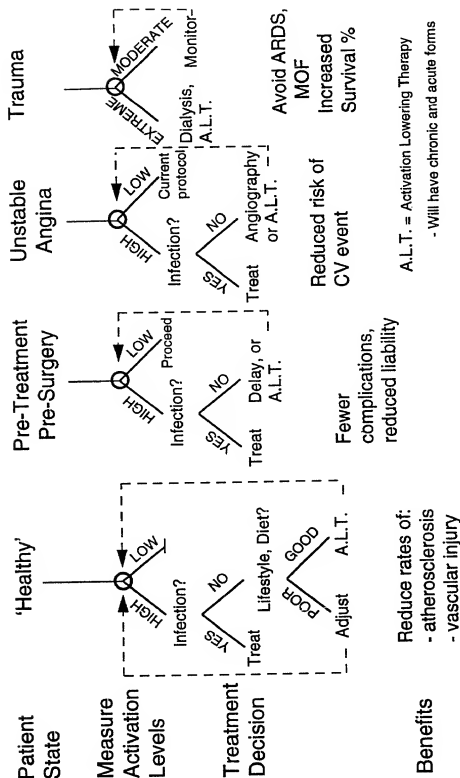


FIG. 2

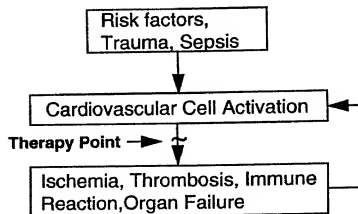


FIG. 3A

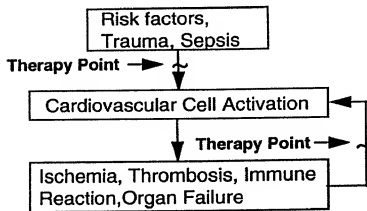


FIG. 3B

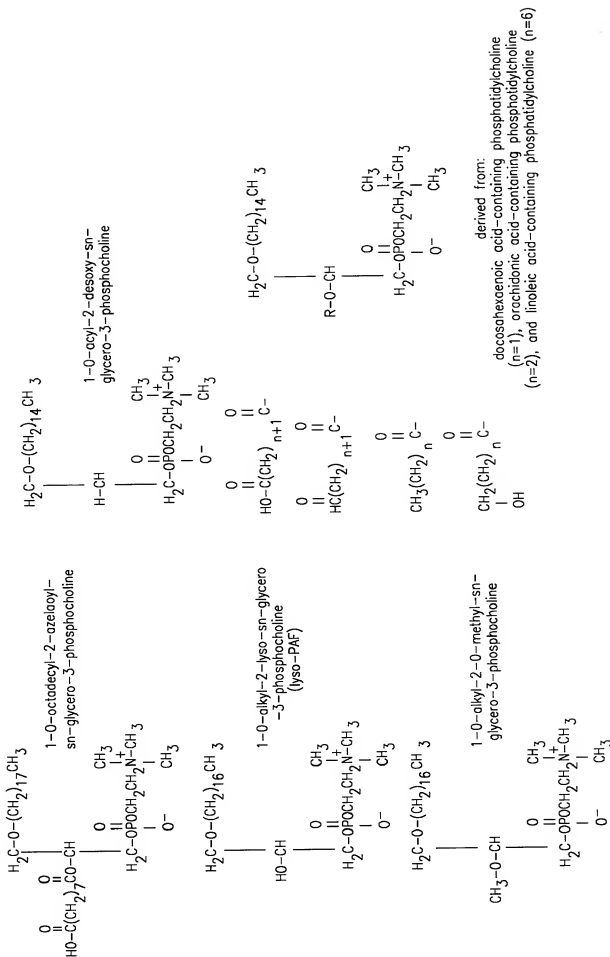


FIG. 4

Letter Key for peptide origin:

b = bovine
 h = hamster
 m = man
 o = other
 r = rat

SR
 AR
 TNA
 NAL
 AL
 TPTDDDDK
 FPLDDDDK
 FPVDDDDK
 APFDDDDKI
 APFDDDDK
 DDDDK
 CGVPAIQPVLSGLSR
 CGVPAIPPVLSGLSR
 CGVPAIQPVLSGL
 CGVPAIPPVLSGLSR
 CGVPSIPPNS
 CGVPAIKPALBFB
 MAFLWLYSCFALVGATFG
 MLRFLVFASLVLYGHS
 MIRALLSTLVAGALS
 CGYPTYEVQHDVSR
 TQDFPETNAR
 DFPETNAR
 CGLPANLPOLPR
 CGDPTYPPYVTR
 CGVSTYAPDMSR
 FPVDDDDK
 VDDDDK
 DSGISPR
 EEGISR
 EAGLNSR
 GISPR
 ENGISPR
 EHP
 EHWSYGLRPG
 VHLSAEEKEA
 AGCKNFFWKFTFTSC
 CYIQNCPRG
 CYIQNCPLG
 HSQGTFTSDYSKYLDSSRAQDFVQWLMNT
 RPPGFSPFR
 HSDGTFTSELSRLRDSARLQRLQLGLV
 ISDRDYMGWMDF
 SDNNQQGKSAQQGGY
 ECG

p chymotrypsinogen A(14-15)
 p chymotrypsinogen B(14-15)
 b neochymo A autoactivation(147-9)
 b neochymo B autoactivation(147-9)
 b neochymo B autoactivation(148-9)
 o anionic trypsinogen activation peptide
 o cationic trypsinogen activation peptide
 b cationic trypsinogen activation peptide
 h trypsinogen residue (human)
 h trypsinogen 2 peptide
 h trypsinogen 3 peptide
 b chymotrypsinogen A sigtransduction
 p chymotrypsinogen A sigtransduction
 b chymotrypsinogen B sigtransduction
 p chymotrypsinogen B sigtransduction
 p chymotrypsinogen C sigtransduction
 p chymotrypsinogen D sigtransduction
 r chymotrypsinogen B sigtransduction
 r proelastase 1 sigtransduction
 p proelastase 2 sigtransduction
 r proelastase 2
 r proelastase 1
 r proelastase 1
 p proelastase 2
 m proelastase 2A
 m proelastase 2B
 p trypsinogen
 b trypsinogen
 m phospholipase A2
 p phospholipase A2
 b phospholipase A2
 o phospholipase A2 (horse1)
 o phospholipase A2 (horse2)
 m thyrotropin-releasing
 m gonadotropin-releasing
 m growth-hormone-releasing
 m somatostatin
 m vasotocin
 m oxytocin
 m glucagon
 m bradykinin
 m secretin
 m cholecystokinin-pancreozymin (C-term)
 m scotophobin
 m glutathione

FIG. 5A

SYSMEHFRWGKPVGKKRRPVKVYPNGAEDELAEAFPLEF p adrenocotricotropin
 SYSMEHFRWGKPVGKKRRPVKVYPNGAEDESAUAFPLEF m adrenocotricotropin
 SYSMEHFRWGKPVGKKRRPVKVYPNGEAEDSAQAFPLEF b adrenocotricotropin
 SYSMEHFRWGKPV m MSH
 DIGYS p CRP-I (C-reactive protein)
 SWESA p CRP-II (C-reactive protein)
 KPQLWP p CRP-III not reactive (C-reactive protein)
 LFEVPEVT p CRP-IV not reactive (C-reactive protein)
 VGGSEI p CRP-V not reactive (C-reactive protein)
 WDFV p CRP-VI (C-reactive protein)
 NMWDFV p CRP-VII (C-reactive protein)
 LVAGD m leukotaxin (no sequence order)
 RKPVL YATNGSQDC m leukocyte promotion factor
 SYSM m ACTH fragment
 BMLF o fMLP (chemotactic factor)
 TN b chymotrypsinogen A (247-8)
 SHLVE o peptidide cleaved by chymo C
 AKKK o peptidide cleaved at brushborder
 AAAA o peptidide cleaved at brushborder
 KKKK o peptidide cleaved at brushborder
 AKKKK o peptidide cleaved at brushborder
 KKKKK o peptidide cleaved at brushborder
 LWMRFA o peptidide cleaved at brushborder
 KKKKKK o peptidide cleaved at brushborder
 VAAKIVG o peptidide cleaved at brushborder
 VCGE o insulin B fragment
 LCGS o insulin B fragment
 LVCG o insulin B fragment
 ELR o neutrophil chemotactic peptide
 ELRC o neutrophil chemotactic peptide
 AELR o part of NAP-2
 SSSGEHFEGEKVFHVNVEDENDIQ p pro-carboxypeptidase B
 KEDFVGHVQLRISVDDEAQVQVKEL p carboxypeptidase A activation
 peptide
 MAGRGSSRLALCAALAAGGWLLAA r carboxypeptidase E signal peptide
 KEDFVGHVQLRITAADAEVQ p pro-carboxypeptidase A
 TTGHSYEK p cleavage procarboxypeptide B
 SVLEAQFDSR p cleaved F4 procarboxypeptidase B
 HHDGEHFEGEKVFR p cleaved procarboxypeptidase B
 YVTR h proelastase
 VVGG h proelastase 2
 YVTR h proelastase activation sequence
 AAPPRGR o profactor D fragment
 APPRGR o profactor D fragment
 STFWAYQPDGNDPTDYQKYEHTSSPSQLLAPGDYPCVIE r CCK-releasing factor
 GRGDSP o integrin endothelial (RGD)
 GRGESF o integrin endothelial (RGE)
 APGPR r enterostatin (gut)
 vpgpr r enterostatin (pancreas)
 FMRF o molluscan cardioexcitatory
 LRDRDDIA r C-terminal glucagon pancreatic peptide
 APVD r glucagonoma precursor

FIG. 5B

EHPG
 GGGPPS
 GGGPPY
 KRNRNIA
 HRRQL
 GLY
 YPALPEAPGEDASPDLSRYASLRHYLDLVTRQRY
 YY)
 SYSM
 YMEHFRW
 DRVYIHP
 VYIHPF
 RVYIHP
 VIHNI
 RPPGF
 RPPGFS
 RPPGFSP
 PPGFSP
 AGSE
 VGSE
 BMLFF
 BMMM
 VGDE
 YGGFLK
 YSGFLT
 YGGFMRF
 YMGFP
 RGDS
 GRGDTP
 WMDF
 LRP
 HTATFK
 SMEVRGW
 YPFVEPIH
 YPF
 YAFAY
 YRFK
 TRSAW
 RPKP
 QQFFGLM
 FFGLM
 RKDVY
 DKWEL
 HKGKAR
 CVIKF
 FTPRL
 KQAGDV
 KEEAE
 KYK
 FLEEI
 WHWLQL

r Thyrotropin Re Hormone
 h composition of aa gliadin
 h composition of aa gliadin
 o proglucagon
 o preprogastrin, preproCCK
 o pancreatic peptide cleavage produce
 o PYY (pancreatic peptide
 o adrenocorticotropin hormone fragment H
 o adrenocorticotropin hormone fragment H
 p Angiotensin II fragment
 o Angiotensin II fragment horse
 p Angiotensin III fragment
 p Angiotensinogen fragment
 o bradykinin fragments 1-5
 o bradykinin fragments 1-6
 o bradykinin fragments 1-7
 o bradykinin fragments 2-7
 o chemotactic factor for eosinophils
 o chemotactic factor for eosinophils
 o fMLP w/ Phe group
 o fMLP class
 o fMLP class
 o leucine enkephalin lys
 o ser-leu enkephalin-thr
 o met enkephalin arg phe
 o D-met, pro enkephalinamide
 o supports fibroblast attachment
 o supports fibroblast attachment
 o CCK fragment 30-33
 o leutenizing hormone fragment
 o alpha-melanocyte stimulatory hormone
 o delta-melanocyte stimulatory hormone
 o beta-casomorphin
 o beta-casomorphin fragment 1-3
 o D-ala,tyr- fragment 1-5 amide
 o D-arg,lys fragment 1-4 amide
 h hypercalcemia of malignancy factor
 o substance P fragment 1-4
 o substance P fragment 5-11
 o substance P fragment 7-11
 o thymopoietin II fragment 32-6
 o U5 peptide
 h C3a 72-77 fragment
 o hydra peptide fragment 7-11
 o leukopyrokinin fragment 4-8
 o RGD related peptide
 o lys-thymosin alpha1 fragment
 o responsible for nicks at purine in DNA
 r prothrombin precursor 5-9
 o alpha1 mating factor fragment

FIG. 5C